



# UNIVERSITY OF CALGARY

Fall 2019

FACULTY OF ARTS

Department of Sociology

Department of Sociology Website: <https://soci.ucalgary.ca/>

COURSE TITLE: Introductory Social Statistics I			
Course Number	SOCI 311.02		
Pre/Co-Requisites	SOCI 201		
Instructor Name	Professor Naomi Lightman	Email	Naomi.lightman@ucalgary.ca
Instructor Email Policy	<p>Feel free to contact me over email at any time. <b>Please put your course number and section in your email's subject line</b>, and include a proper salutation, your full name, student ID, and a proper closing in the body of your email. All emails violating customary email conventions will be ignored. All other emails will be answered within two business days. I do not answer emails over the weekend. Please take that into account when emailing me questions pertaining assignments or exams. If you have a course-related question, please check the course outline first. Questions that can be answered by consulting the course outline will not be answered. Also, please e-mail me for administrative purposes only, for example to set up an appointment. Please do not use e-mail as a replacement for an office visit, if there is something you want to discuss. Questions about the course content and readings, concerns about grades, or any other personal issues should be dealt with in person during my office hours.</p> <p>Please note that the Teaching Assistants will be <i>your first point of contact</i> about questions regarding the course. Please contact your assigned Teaching Assistant based on <u>the first letter of your last name</u>, using the following schema:</p> <p><b>A-G → Mabel Teye-Kau</b> <b>H-N → Claire Link</b> <b>O-Z → Rebecca Stockton</b></p>		
Office Location	SS 928	Office Hours	Thursday 9:45-10:45am
TA Name	1) Mabel Teye-Kau	TA Email	1) <a href="mailto:mabel.teyekau@ucalgary.ca">mabel.teyekau@ucalgary.ca</a>

	2) Claire Link 3) Rebecca Stockton		2) <a href="mailto:claire.link@ucalgary.ca">claire.link@ucalgary.ca</a> 3) <a href="mailto:rstockto@ucalgary.ca">rstockto@ucalgary.ca</a>
<b>TA Office Location</b>	1) SS 943 2) SS 917 3) SS 939	<b>TA Office Hours</b>	1) TBD 2) TBD 3) TBD
<b>Class Dates</b>	Lectures Tuesday and Thursday; Lab Thursdays		
<b>Class Times</b>	Lectures 11am-12:15pm; Labs 3:30-6:15pm		
<b>Class Location</b>	Lectures SA 106; Labs Tri Faculties Lab		

## Course Description

Sociology 311 is an introductory social statistics course. This course will emphasize understanding of the logic behind statistical techniques and interpretation of data analysis outputs. The principal goal of SOCI 311 is to introduce students to the fundamentals of statistical reasoning and to the role of statistical methods in social science.

Each week will consist of two 1 hour and 15 minute lectures (on Tuesdays and Thursdays, 11am-12:15pm, SA 106) and a 2 hour and 45 minute lab (Thursdays, 3:30-6:15pm, Tri-Faculties Lab), except on weeks when there is an exam. The ten lab sessions will provide students with hands-on experience analyzing and applying the key concepts from lecture using the statistical software program SPSS.

## Course Objectives/Learning Outcomes

At the end of the course students will be able to:

- interpret sociological research that uses basic statistical methods;
- undertake elementary data analysis;
- successfully take more advanced courses in social statistics (e.g. SOCI 315).

## Required Textbooks, Readings, Materials, Electronic Resources

The course textbook and additional reading materials have been selected to enhance your knowledge and understanding of the key issues covered in the course. We will draw on the textbook and additional reading materials in lectures, labs, and in the assignments for this course. It is therefore very important to complete the required readings each week. Knowledge of required readings will be evaluated and graded as part of tests and labs. Students are expected to have done the required readings *by the beginning of Tuesday's class* for each week as per the course schedule.

The required text is available at the university bookstore:

Haan, Michael and Godley, Jenny. 2017. *An Introduction to Statistics for Canadian Social Scientists, 3<sup>rd</sup> Edition*. Don Mills, ON: Oxford University Press.

Additional required readings and electronic resources will be posted on D2L for students to access.

## Schedule of Lectures and Readings

*Please note: Every attempt will be made to follow this schedule, but it is subject to change at the discretion of the instructor.*

### **Week 1 – Sept. 5. Course Introduction**

Note: The first lecture will provide an overview of the course. Students are expected to have read the course syllabus. Course policies, assignments and expectations will be reviewed only briefly, on a Q&A basis.

- Haan & Godley Chapter 1

### **Week 2 – Sept. 10 & 12. Basic Math & Univariate Statistics.**

- Haan & Godley Chapters 2 & 3.
- Lab #1

### **Week 3 – Sept. 17 & 19. Introduction to Probability & The Normal Curve.**

- Haan & Godley Chapters 4 & 5
- Lab #2
- Lab Assignment #1 is due on Sept 20<sup>th</sup> via D2L by midnight

### **Week 4 – Sept. 24 & 26. Measures of Central Tendency & Dispersion, Indigenizing Data Collection**

- Haan & Godley Chapter 6, Smylie and Firestone 2015 (available on D2L)
- Lab #3

### **Week 5 – Oct. 1 & 3. Standard Deviation, Standard Scores, & the Normal Distribution**

- Haan & Godley Chapter 7
- Lab #4
- Lab Assignment # 2 is due on Oct. 4<sup>th</sup> via D2L by midnight

### **Week 6 – Oct. 8 & 10. Catch-up and Review**

- No required reading
- No lab

**Note: Exam #1 will be held on Oct. 10<sup>th</sup> from 3:30-5:10pm, in AD 140.**

**Week 7 – Oct. 15 & 17. Sampling and Our Health Counts; Generalizing from Samples to Populations**

- Haan & Godley Chapter 8 & 9, Rotondie et al. 2017 (available on D2L)
- Lab #5

**Week 8 – Oct. 22 & 24. Testing Hypotheses; Bivariate Statistics for Nominal Data**

- Haan & Godley Chapter 11 & 12
- Lab #6
- Lab Assignment #3 is due on October 25<sup>th</sup> on D2L by midnight

**Week 9 – Oct. 29 & 31. Bivariate Statistics for Interval/Ratio Data; ANOVA**

- Haan & Godley, Chapter 14 & 15
- Lab #7

**Week 10 – Nov. 5 & 7. Catch up & Review.**

- No required reading
- No Lab

**Note: Exam #2 will be held on Thursday Nov. 7<sup>th</sup>, from 3:30-5:10pm, in AD 140.**

**NO CLASS Nov. 12 & 14 Due to Reading Week**

**Week 11 – Nov. 19 & 21. Introduction to Bivariate OLS Regression**

- Haan & Godley Chapter 16
- Lab #8
- Lab Assignment #4 is due on November 22<sup>nd</sup> on D2L by midnight

**Week 12 – Nov. 26 & 28. Multiple Regression & Dummy Coding of Variables**

- Noack Chapter 11 (available on D2L)
- Lab #9
- Critical Reflection is due on Nov. 29<sup>th</sup> via D2L by midnight

**Week 13 – Dec. 3 & 5. Wrapping Up & Review.**

- No required reading
- Lab #10
- Lab Assignment #5 is due on December 6<sup>th</sup> on D2L by midnight

## Methods of Assessment and Grading Weights

### Grade Distribution

Lab Assignments (5 x 5%)	25%
Critical Reflection	5%
Exam 1	20%
Exam 2	25%
Final Exam ( <b>Cumulative</b> )	25%

*Note:* If an opportunity for extra credit arises, this opportunity will be given to the class as a whole. Individual opportunities for extra credit or to make up points lost due to errors on an exam will not be allowed. Consistent with departmental policy, class grades may be adjusted to keep with departmental norms.

### Lecture notes

I will post PowerPoint slides on the course D2L for most of the class lectures, and you should print out these slides and bring them to class or have them available on an electronic device capable of note-taking. You will still need to take notes, even if you have the PowerPoint slides. There are no lecture notes besides the PowerPoint slides, so if you miss class you'll need to get the additional lecture notes from another student.

### Exams

Only the final exam will be expressly cumulative, but all exams may be indirectly cumulative because they are likely to build on previous material. You will be permitted one 8 1/2 by 11 inch sheet of paper (front and back) of notes during each exam. Exams may include a mixture of True/False, multiple choice, short answer, and calculation problems. **You can expect to be required to interpret SPSS output on the exams.**

Exams will be administered during your lab periods. The class will typically have 100 minutes to take an exam. If you arrive late for the exam, you will only have the amount of time remaining allotted for the exam. Once you begin an exam, it is your performance during the allotted time which will be used to determine your grade. The only exception to this policy is if you must be hospitalized while you are taking the exam. You will not be allowed to retake the exam, sections of the exam, or to complete at a later date problems you may not have answered. You also will not be allowed to take alternative sections of an exam or an alternative exam and substitute or combine your performance on the exam with alternative grades. If you believe that you may have an emergency which will interfere with your performance on the exam, or you arrive late because of an emergency, you need to talk to me about it at least a week before you take the exam.

**Exam dates are Oct. 10 for Exam 1 and Nov. 7 for Exam 2. They will be held in AD140.** The date of the Final Exam is TBD. For each exam, you will be allowed one page of notes, front and back, scratch paper, a writing utensil, and a calculator. Your calculator should have exponent and square root functions. Some calculators can have some unusual displays or function keys, so it's a good idea to make sure you can read your calculator output before an exam. You cannot use a calculator on your phone, laptop, or

tablet, but I do not care if you have an otherwise advanced calculator. You are responsible for remembering to bring a calculator to the exam.

### **Labs**

Labs will serve two purposes. First, this will be your opportunity to attempt questions of the type you will see on the exams, but with a T.A. or the professor available to help you. In addition, you will learn and apply the SPSS computer program to analyze data using statistics being covered in class. Lab assignments will be a mix of work problems and SPSS exercises. Lab assignments will be turned in through D2L. Due dates will be on the lab assignment, and if the lab is turned in after the due date, 50% of the total marks possible will be deducted from the lab before any marks are deducted for errors. To avoid plagiarism, no late labs will be accepted once the graded lab assignments have been returned to other students. Because a central purpose of the labs is to prepare you for the exams, no lab assignments will be accepted after the final day of classes.

### **Critical Reflection**

The critical reflection assignment will require you to write no more than 500 words in response to the Smylie and Firestone (2015) and Rotondie et al. (2017) readings. You will be asked to answer the question “What are some of the key challenges and opportunities for data collection within Indigenous communities in Canada?”. This reflection will be graded on a pass/fail basis. The assignment will be turned in through D2L by Nov. 29<sup>th</sup> at midnight. If the assignment is turned in after the due date, 50% of the total marks possible will be deducted from the lab before any marks are deducted for errors.

### **Final Exam Information**

The final exam is cumulative and worth 25% of your final grade. It will be held during the formal exam period with the exact date and time to be determined by the registrar.

## Grading Scale

Letter grades will be assigned and submitted to the registrar based on the following scale:

Grade	Percent range	Grade Point Value	Description
A+	96 – 100%	4.0	Outstanding performance
A	90 – 95.99%	4.0	Excellent performance
A-	85 – 89.99%	3.7	Approaching excellent performance
B+	80 – 84.99%	3.3	Exceeding good performance
B	75 – 79.99%	3.0	Good performance
B-	70 – 74.99%	2.7	Approaching good performance
C+	67 – 69.99%	2.3	Exceeding satisfactory performance
C	63 – 66.99%	2.0	Satisfactory performance
C-	59 – 62.99%	1.7	Approaching satisfactory performance
D+	55 – 58.99%	1.3	Marginal pass. Insufficient preparation for subsequent courses in the same subject
D	50 – 54.99%	1.0	Minimal Pass. Insufficient preparation for subsequent courses in the same subject.
F	<50%	0	Failure. Did not meet course requirements.

## Grade Reappraisal

Within two weeks of the date the exam/assignment is returned, students seeking reappraisal of examinations or assignments must submit a written response to their teaching assistant explaining the basis for reconsideration of their mark. The TA will reconsider the grade assigned and will then book a time with the student to discuss his or her work and rationale. It should be noted that a re-assessed grade may be raised, lowered, or remain the same. If the matter is not resolved at this point, the same procedure will be followed with the professor.

## Handing in Papers, Assignments

1. The main Sociology Department office does not deal with any course-related matters. Please speak directly to your instructor.
2. **Protection of Privacy:** The Freedom of Information and Protection of Privacy (FOIPP) legislation does not allow students to retrieve any course material from public places. Anything that requires handing back will be returned directly during class or office hours. If students are unable to pick up their assignments from the instructor, they can provide the instructor with a stamped, self-addressed envelope to be used for the return of the assignment. Private information related to the individual student is treated with the utmost regard by the faculty at the University of Calgary
3. Final grades are not posted by the Sociology Department. They are only available online.

## Research Ethics

Students are advised that any research with human subjects – including any interviewing (even with friends and family), opinion polling, or unobtrusive observation – must have the approval of the Faculty Ethics Committee. In completing course requirements, students must not undertake any human subjects research without discussing their plans with the instructor, to determine if ethics approval is required.

## Copyright Legislation

All students are required to read the University of Calgary policy on Acceptable Use of Material Protected by Copyright (<https://www.ucalgary.ca/policies/files/policies/acceptable-use-of-material-protected-by-copyright.pdf>) and requirements of the copyright act (<https://laws-lois.justice.gc.ca/eng/acts/C-42/index.html>) to ensure they are aware of the consequences of unauthorized sharing of course materials (including instructor notes, electronic versions of textbooks etc.). Students who use material protected by copyright in violation of this policy may be disciplined under the Non-Academic Misconduct Policy.

## Instructor Intellectual Property

Course materials created by professor(s) (including course outlines, presentations and posted notes, labs, case studies, assignments and exams) remain the intellectual property of the professor(s). These materials may NOT be reproduced, redistributed or copied without the explicit consent of the professor. The posting of course materials to third party websites such as note-sharing sites without permission is prohibited. Sharing of extracts of these course materials with other students enrolled in the course at the same time may be allowed under fair dealing.

## Academic Misconduct

Please refer to the website listed below for information on University of Calgary policies on Plagiarism/Cheating/Other Academic Misconduct:  
<http://www.ucalgary.ca/pubs/calendar/current/k.html>

## Absences and Deferrals

Students who are absent from class assessments (tests, participation activities, or other assignments) should inform their instructors as soon as possible. Instructors may request that evidence in the form of documentation be provided. If the reason provided for the absence is acceptable, instructors may decide that any arrangements made can take forms other than make-up tests or assignments. For example, the weight of a missed grade may be added to another assignment or test. For information on possible forms of documentation, including statutory declarations, please see <https://www.ucalgary.ca/pubs/calendar/current/m-1.html>

**Deferred Final Exam Form:** Please note that requests to defer a Registrar scheduled final exam are dealt with through the Registrar's Office. Further information can be found at:  
<https://www.ucalgary.ca/registrar/exams/deferred-exams>

**Deferred Term Work Form:** Deferral of term work past the end of a term also requires a form to be filled out. It's available at:  
[https://live-ucalgary.ucalgary.ca/sites/default/files/teams/1/deferred\\_termwork15\\_0.pdf](https://live-ucalgary.ucalgary.ca/sites/default/files/teams/1/deferred_termwork15_0.pdf)

Once an extension date has been agreed between instructor and student, the form should be taken to the Faculty of Arts Program Information Centre (SS 110) for approval by an Associate Dean (Students).



## Academic Accommodation

The student accommodation policy can be found at: [ucalgary.ca/access/accommodations/policy](http://ucalgary.ca/access/accommodations/policy).

Students needing an Accommodation because of a Disability or medical condition should communicate this need to Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities [ucalgary.ca/policies/files/policies/student-accommodation-policy](http://ucalgary.ca/policies/files/policies/student-accommodation-policy).

Students needing an Accommodation based on a Protected Ground other than Disability, should communicate this need, preferably in writing, to the course instructor.

## Wellness and Mental Health Resources

The University of Calgary recognizes the pivotal role that mental health plays in physical health, social connectedness and academic success, and aspires to create a caring and supportive campus community where individuals can freely talk about mental health and receive support when needed. We encourage you to explore the excellent mental health resources available throughout the university community, such as counselling, self-help resources, peer support or skills-building available through Student Wellness Services (Room 370 MacEwan Student Centre, <https://www.ucalgary.ca/wellness-services/services/mental-health-services>) and the Campus Mental Health Strategy (<http://www.ucalgary.ca/mentalhealth/>).

## Student Success

The Student Success Centre provides services and programs to ensure students can make the most of their time at the University of Calgary. Our advisors, learning support staff, and writing support staff assist students in enhancing their skills and achieving their academic goals. They provide tailored learning support and advising programs, as well as one-on-one services, free of charge to all undergraduate and graduate students. For more information visit: <https://www.ucalgary.ca/student-services/student-success>

## Student Ombuds Office

The Student Ombuds Office supports and provides a safe, neutral space for students. For more information, please visit [www.ucalgary.ca/ombuds/](http://www.ucalgary.ca/ombuds/) or email [ombuds@ucalgary.ca](mailto:ombuds@ucalgary.ca).

## Student Union (SU) Information

The SU Vice-President Academic can be reached at (403) 220-3911 or [suvpaca@ucalgary.ca](mailto:suvpaca@ucalgary.ca); Information about the SU, including elected Faculty Representatives, can be found here: <https://www.su.ucalgary.ca>.

## Emergency Evacuation/Assembly Points

Assembly points for emergencies have been identified across campus. Assembly points are designed to establish a location for information updates from the emergency responders to the evacuees; from the evacuated population to the emergency responders. For more information, see the University of Calgary's Emergency Management website: <http://www.ucalgary.ca/emergencyplan/assemblypoints>

## Safewalk

Campus security will escort individuals, day or night, anywhere on campus (including McMahon Stadium, Health Sciences Centre, Student Family Housing, the Alberta Children's Hospital and the University LRT station). Call 403-220-5333 or visit <http://www.ucalgary.ca/security/safewalk>. Use any campus phone, emergency phone or the yellow phone located at most parking lot pay booths. Please ensure your personal safety by taking advantage of this service.